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DATE: November 29, 1972

TO: NASA Scientific and Technical Information Facility  
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College Park, Maryland 20740

FROM: Robert E. Bodenheimer (GSFC ID UN654)

SUBJECT: Progress Report, "ERTS-A Imagery Interpretation Techniques  
in the Tennessee Valley" - MMC # 162-06

The purpose of this report is to summarize the research activity on proposal MMC # 162-06, "ERTS-A Imagery Interpretation Techniques in the Tennessee Valley", during September 25, 1972 - November 25, 1972. Principal Investigator for this project is Robert E. Bodenheimer (GSFC ID UN654).

Background. For the ERTS-A program NASA has provided support for four project groups (Ecology, Geography, Agriculture and Electrical Engineering) at The University of Tennessee. Three of these groups (MMC # 162-2, MMC # 162-3, and MMC # 139) are concerned with specific goal oriented tasks while the fourth group (MMC # 162-6) is concerned with providing data analysis and data interpretation services within in the multiple disciplines. Each discipline is interested in using ERTS data in different studies. The specific aim of this group (MMC # 162-6) in this research is to develop and modify film data processing and management methods which will aid in the analysis and interpretation of ERTS data as required by each discipline.

(E72-10231) ERTS-A IMAGERY INTERPRETATION  
TECHNIQUES IN THE TENNESSEE VALLEY  
Progress Report, 25 Sep. - 25 Nov. 1972  
R.E. Bodenheimer (Tennessee Univ.) 29 Nov.  
1972 2 p

N73-11324

Unclas  
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CSCS 08F G3/13

Current Progress. To date, the investigation has been delayed from a lack of ERTS imagery. However, all groups received their first ERTS data on approximately November 15, 1972 and initial use of the data by these groups has begun. In the interim each group to be supported by this effort has been contacted. Their expected utilization of satellite data has been discussed and their proposed goals reviewed. Tentative data processing requirements have been established. These requirements are compatible with the existing computer software package developed for this research and the proposed data processing plan.

Next Reporting Period. Several data processing requests should have been serviced by this time. Through evaluation of this work, this group should begin to verify or modify the Data Processing Plan. A supplementary image analysis system which is under development will be described and its implications in this research reported.

Respectively submitted,



Robert E. Bodenheimer  
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